

Title (en)
ARRANGEMENT FOR DETECTING THE ANGULAR POSITION OF A ROTATABLE COMPONENT

Title (de)
ANORDNUNG ZUR ERFASSUNG DER WINKELPOSITION EINES DREHBAREN BAUTEILS

Title (fr)
DISPOSITION POUR ENREGISTRER LA POSITION ANGULAIRE D'UNE PIÈCE ROTATIVE

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Abstract (en)
[origin: WO2017140495A1] The invention relates to an arrangement (1) for detecting the angular position (φ) of a rotatable component (2). The arrangement (1) comprises a magnet (10), which is designed to generate a magnetic field (20), and a sensor unit (30), which is designed to detect the magnetic field (20), and to supply therefrom an angle signal (47) corresponding to the angular position (φ) of the component (2). The sensor unit (30) has a first sensor group (31), which comprises a first magnetically sensitive element (32), a second magnetically sensitive element (33), and a third magnetically sensitive element (34), a second sensor group (35), which comprises a fourth magnetically sensitive element (36), a fifth magnetically sensitive element (37), and a sixth magnetically sensitive element (38), and an evaluation unit (40), which is connected to each of the magnetically sensitive elements (32, 33, 34) of the first sensor group (31) and the magnetically sensitive elements (36, 37, 38) of the second sensor group (35) and is designed to supply the angle signal (47) corresponding to the angular position (φ) of the component (2).

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